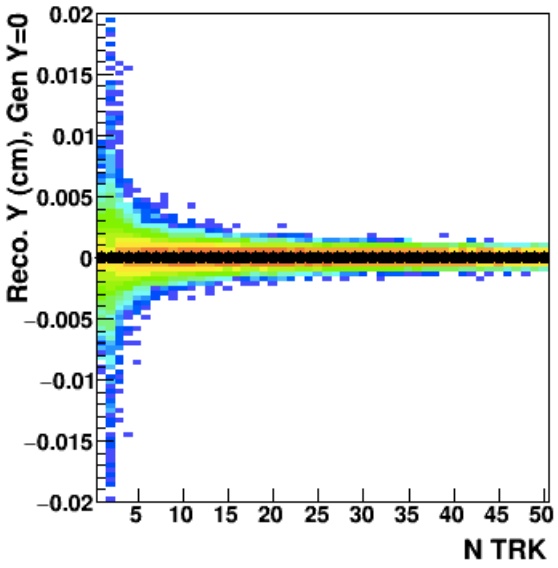
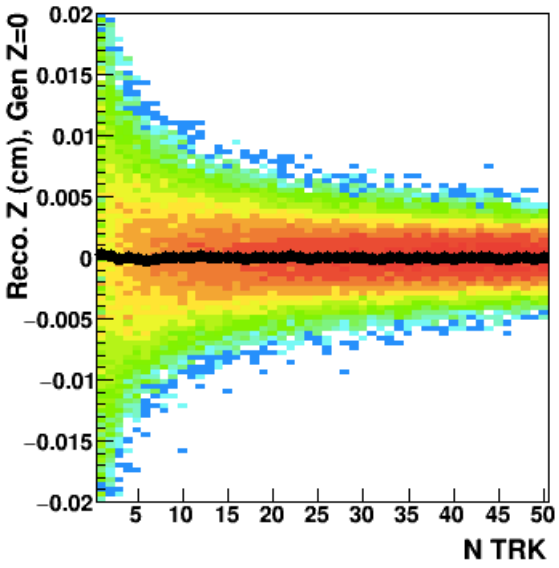
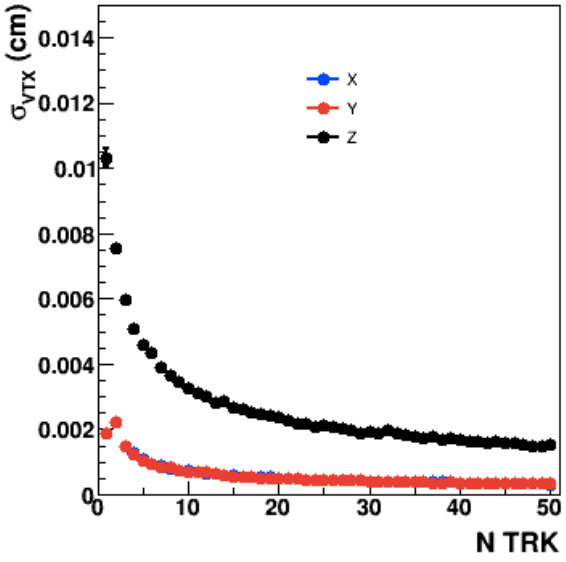
Reminder

- Rave
  - Reconstruction in an Abstract, Versatile Environment
  - vertex reconstruction toolkit with input of reconstructed track
- First look
  - randomly select N simulated tracks from pool
    (mu+, lηl<0.5 (flat), 1<p_T<40 GeV/c (flat), generated vertex (0,0,0))
  - tracking with PHGenFit and extract parameters at beam line
    put tracks into the RAVE vertex finder (defaults setting)
    currently using self-package, but will move to GFRave
  - scan N track(s) from 1 to 50, 2k events for each N track(s)

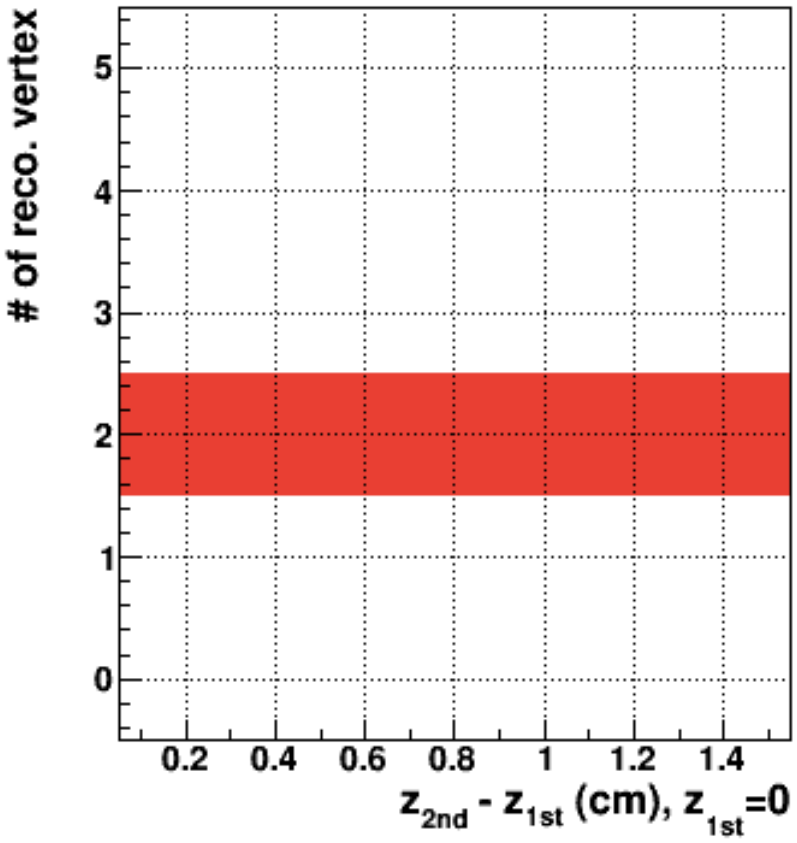


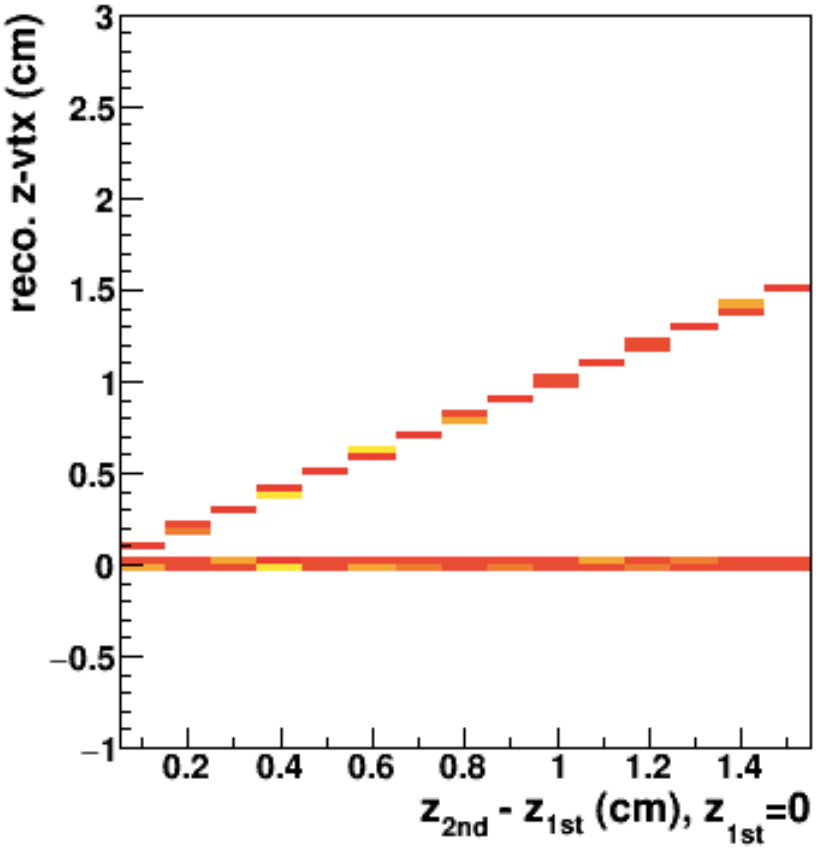




2 vertices finding test

- generate **5 tracks** at each z position of z=0 and z=z_{2nd} cm
- scan z_{2nd} from 0.1 cm to 1.5 cm with 0.1 cm interval (1k try for each z_{2nd})





need to check number of vertices is set to 2 in multi-vertices mode

2 vertices finding test

- generate **2 tracks** at each z position of z=0 and z=z_{2nd} cm
- scan z_{2nd} from 0.1 cm to 1.5 cm with 0.1 cm interval (1k try for each z_{2nd})
- scan z_{2nd} from 0.01 cm to 0.15 cm with 0.01 cm interval (1k try for each z_{2nd})